

Moldenke, Carnegie Inst. Wash. Publ. 522: 189—190. 1940; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 21 & 97. 1942; Moldenke, Phytologia 2: 198. 1946; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 36 & 192. 1949; Moldenke, Résumé 43, 221, 332, 333, & 464. 1959.

Additional citations: CULTIVATED: St. Vincent: Morton 5435 (W—1884345).

PETREA VOLUBILIS var. PUBESCENS Moldenke

Additional synonymy: Petrea consanguinea Klotzsch apud E. J. Salisb., Ind. Kew. Suppl. 10: 168, in syn. 1947.

Literature: Cham., Linnaea 7: 367. 1832; Mart. & Gal., Bull. Acad. Brux. 11 (2): 329. 1844; Moldenke in Fedde, Repert. 43: 15, 45—46, 209—216, & 218—220. 1938; Moldenke, Alph. List Common Names 8, 10, 12, & 26. 1939; Moldenke, Geogr. Distrib. Avicenn. 14—18 & 39. 1939; Moldenke, Prelim. Alph. List Invalid Names 34 & 36. 1940; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 17, 20—24, 74, & 97. 1942; Moldenke, Alph. List Invalid Names 34 & 35. 1942; Moldenke, Phytologia 2: 108 (1945) & 198. 1946; E. J. Salisb., Ind. Kew. Suppl. 10: 168. 1947; Moldenke, Phytologia 2: 501. 1948; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 31, 35, 37—39, 41, 162, & 192. 1949; H. N. & A. L. Moldenke, Anal. Inst. Biol. Mex. 20: 10. 1949; Moldenke, Résumé 37, 42, 44, 45, 47, 48, 221, 331, 332, & 464. 1959.

An additional vernacular name recorded for this variety is "jasmin o'coamecate azul". It has been collected at 550—950 m. altitude in Alajuela, flowering in February and August, fruiting in March, growing as a vine on fence rocks.

Additional citations: MEXICO: Vera Cruz: Linden 18, in part (Br). HONDURAS: Morazán: Williams & Molina R. 11943 (M1). COSTA RICA: Alajuela: Brenes 20468 [3] (N), 21462 [3] (N); J. León 1746 [Herb. Inst. Interam. Turrialba 932] (W—2021496).

PETREA VOLUBILIS L.

Additional citations: GUATEMALA: Alta Verapaz: C. L. Wilson 334 (Dt). El Petén: H. H. Bartlett 12559 (Du—353946).

ADDITIONAL NOTES ON THE GENUS AEGIPHILA. XIV

Harold N. Moldenke

In addition to the abbreviations for the names of herbaria listed by me in Phytologia 5: 154—159 (1955) and 6: 242 (1958), the following are also being employed in this series of notes: Bd = Herbarijm Bradeanum, Rio de Janeiro, Brazil; Bs = Basler Botanische Gesellschaft, Basel, Switzerland; Gl = Museu Goeldi, Belém, Pará, Brazil; Gp = Ontario Agricultural College, Guelph,

Ontario, Canada; Mm = McGill University, Montreal, Quebec, Canada; Ng = Department of Forests, Lae, New Guinea; Um = University of Montreal Herbarium, Montreal, Quebec, Canada; Wp = University of Manitoba, Winnipeg, Manitoba, Canada.

AEGIPHILA Jacq.

Literature: Hughes, Nat. Hist. Barbado. 156. 1750; P. Browne, Civil & Nat. Hist. Jamaica. 140. 1756; Jacq., Enum. Syst. Pl. 12. 1760; Jacq., Obs. Bot. 2: 3, pl. 27. 1764; L., Mant. 144 & 198. 1767; L., Pflanzensyst. 3: 124--125. 1773; L., Syst. Veg. 134. 1774; Aubl., Hist. Pl. Guian. Franç. 1: 61--68. 1775; Reichard in L., Gen. Pl., [ed. 8], 1: 61. 1778; L., Syst. Pl. 334. 1779; Jacq., Select. Stirp. Amer. Hist. Pict. 13, pl. 259, fig. 6. 1780; L., Gen. Pl., ed. 13, 7. 1780; Lam., Encycl. Méth. Bot. 1: 46. 1783; Jacq., Ind. Plant., ed. 14, 32. 1785; Sw., Prodr. 31--32. 1788; Jacq., Select. Stirp. Amer. 226. 1788; J. F. Gmel. in L., Syst. Nat. 2: 259. 1789; Schreb. in L., Gen. Pl., ed. 8 [9], 1: 73. 1789; Vitman, Summa Pl. 1: 173. 1789; Lam., illustr. Gen. nos. 1503--1505, pl. 70 & 71, fig. 1--3. 1791; J. F. Gmel. in L., Syst. Nat., ed. 13, 2: 259. 1791; Haenke in L., Gen. Pl., ed. 8 [10], 1: 105. 1791; Lam., Tabl. Encycl. Méth. Bot. 1: 293--294. 1792; L. C. Rich., Act. Soc. Hist. Nat. Paris 106. 1792; Vent., Tabl. Rég. Vég. 2: 318. 1794; Vahl, Eclog. Amer. 1: 14--16. 1796; R. A. Salisb., Prodr. 67. 1796; J. F. Gmel. in L., Syst. Nat., ed. 13 [rev.], 2: 259. 1796; Sw., Fl. Ind. Occ. 1: 254--260. 1797; Willd., Sp. Pl. 1: 615--617. 1797; Raesch., Nom. Bot. 37. 1797; Ruiz & Pav., Fl. Peruv. & Chil. 1: 49--50. 1798; J. F. Gmel. [Turton], Gen. Syst. Nat. 5: 218--219. 1802; Desf., Tabl. Écol. Bot. 53. 1804; Pers., Syn. Pl. 1: 132. 1805; A. L. Juss., Ann. Mus. Hist. Nat. Paris 7: 74 & 76. 1806; Hedw., Gen. Pl. no. 368. 1806; Andr., Bot. Repos. 9: 578. 1809; Jacq., Frag. Bot. 40--41, pl. 46, fig. 1. 1809; Poir. in Lam., Encycl. Méth. Suppl. 1: 150--151 (1810) and 2: 33. 1811; R. Br. in Ait., Hort. Kew., ed. 2, 4: 64. 1814; Morel, Tabl. Écol. Bot. Jard. Pl. Paris, ed. 2, 64 & 250. 1815; H.B.K., Nov. Gen. & Sp. Pl. 2: 248--251. 1817; Pers., Sp. Pl. 1: 339. 1817; H.B.K., Nov. Gen. & Sp. Pl. 3: 65--66. 1818; Lodd., Bot. Cab. 2: pl. 132. 1818; Roem. & Schult., Syst. Veg., ed. 1, 3: 95--96 & 100--103 (1818), 4: 698 (1819), ed. 2, 1: 97 (1820), and 2: 82. 1820; Willd., Nom. Bot., ed. 2 [Donnersmarck], 82. 1821; Steud., Nom. Bot., ed. 1, 1: 16. 1821; Kunth, Syn. Pl. 2: 42--44. 1823; Spreng. in L., Syst. Veg., ed. 16, 1: 29 & 648. 1825; Vell., Fl. Flum. 37--38. 1825; Hoffmsgg., Verz. Pflanzenkult. Graf. Hoffmsgg. Gart. Nachtr. 3: 7, 18, & 74. 1826; Lindl., Bot. Reg. 11: pl. 946. 1826; Roem. & Schult., Mant. 3: 10. 1827; Vell., Fl. Flum. Icon. 1: pl. 88--95. 1827; Desf., Cat. Pl. Hort. Reg. Paris., ed. 3, 391. 1829; Maycock, Fl. Barbado. 70--72. 1830; Spreng. in L., Gen. Pl., ed. 9 [11], 1: 80--81 & 815. 1830; Schlecht. & Cham., Linnaea 6: 371. 1831; Abhand. Akad. Berol. 215. 1831; Cham., Linnaea 7: 109--115. 1832; Kostel., Allgem. Mediz.-pharm. Fl. 3: 829--830. 1834; Richter, Cod. Bot. Linn., ed. 1, 130. 1835; Endl., Gen. Pl. 637--638. 1838; Benth., Ann. Nat. Hist. 2: 449. 1839; Dietr., Syn. Pl. 1: 429--430. 1839;

Steud., Nom. Bot., ed. 2, 1: 29. 1840; Meisn., Pl. Vasc. Gen. 2: 200. 1840; Richter, Cod. Bot. Linn., ed. 2, 130. 1840; Paxt., Pocket Bot. Dict. 8. 1840; Peterm., Cod. Bot. Linn. Ind. Alph. 33. 1840; Casar., Nov. Stirp. Bras. Dec. 47. 1842; G. Gardn. in Hook., Lond. Journ. Bot. 1: 184. 1842; Meisn., Pl. Vasc. Gen. 1: 292. 1842; Benth., Bot. Voy. Sulph. 154. 1844; G. Gardn. in Hook., Lond. Journ. Bot. 4: 134. 1845; Walp., Repert. Bot. Syst. 4: 118-124. 1845; A. DC., Prodr. 9: 512-513. 1845; Seem., Bot. Voy. Herald 189. 1845-1851; Jacques & Hérincq, Man. Gén. 503-505. 1845-1862; Hook. in Curtis, Bot. Mag. 72 [ser. 3, 2]: pl. 4230. 1846; Paxt., Mag. Bot. 13: 115, 217, 218, & 275. 1847; Schau. in A. DC., Prodr. 11: 647-655. 1847; Klotzsch & Karst., Ausw. Neu. Gew. Venez. 31-33. 1848; Rich. Schomb., Versuch Fauna Fl. Brit.-Guian. 959 & 1150. 1848; Lem. & Van Houtte, Fl. Serres, ser. 1, 4: pl. 324. 1848; Walp., Anal. Bot. Syst. 1: 544. 1848; Paxt., Pocket Bot. Dict., new ed., 8. 1849; A. Rich. in Sagra, Hist. Fis. Cuba 11: 145-146. 1850; Schau. in Mart., Fl. Bras. 9: 278-290. 1851; Wittstein, Etymol.-bot. Handwörterb. 19 & 37. 1852; Griseb., Abhand. König. Gesell. Wissen. Götting. 7: 256-257. 1857; Walp., Annal. Bot. Syst. 5: 710. 1860; Griseb., Fl. Brit. West Ind. 499-500. 1861; Bocq., Adansonia 3: 187-190. 1862; Bocq., Revue Groupe Verb. 3 & 188-190, pl. 9 & 10. 1862; Rosenthal, Syn. Pl. Diaph. 430 & 1130. 1862; Turcz., Bull. Soc. Imp. Nat. Mosc. 36 (2): 218-220. 1863; Griseb., Cat. Pl. Cub. 216. 1866; Pritzel, Icon. Bot. Ind. 1: 23. 1866; Hereman, Paxt. Bot. Dict. 13. 1868; Sauv., Fl. Cub. 113. 1868; Pritzel, Thes. Lit. Bot., ed. 2. 1872; Benth. in Benth. & Hook., Gen. Pl. 2: 1151. 1876; Hiern in Warming, Vidensk. Meddel. 23: 711-713. 1877; Eggers, Fl. St. Croix 84. 1879; Hemsl., Biol. Cent.-Am. Bot. 2: 538. 1882; Stehl, Estud. Fl. Puerto-Rico 6: 222-223. 1888; Alfaro, Anal. Mus. Nac. Rep. Costa Rica 1 (2): 60. 1888; K. Schum. in Mart., Fl. Bras. 6: 217. 1889; Kuntze, Rev. Gen. Pl. 2: 505. 1891; J. D. Sm., Enum. Pl. Guat. 2: 60. 1891; Baill., Hist. Pl. 11: 87 & 119, fig. 101 & 102. 1891; Warming, Lagoa Santa 373 & 434. 1892; J. D. Sm., Bot. Gaz. 18: 7. 1893; J. D. Sm., Enum. Pl. Guat. 3: 65 & 110. 1893; Jacks., Ind. Kew. 1: 46-47. 1893; Briq. in Engl. & Prantl, Nat. Pflanzenfam. 4 (3a): 143 & 165-166. 1894; J. D. Sm., Enum. Pl. Guat. 4: 123. 1895; Briq., Rev. Monog. Verb. 143 & 165-166. 1895; Rusby, Mem. Torrey Bot. Club 4 (3): 245. 1895; Durand & Jacks., Ind. Kew. Suppl. 1: 12. 1896; Rusby, Mem. Torrey Bot. Club 6 (1): 107. 1896; Duss, Ann. Inst. Colon. Marseil. 3: 466-467. 1896; Duss, Fl. Phanerog. Antill. Franç. 466-467. 1896; J. D. Sm., Bot. Gaz. 25: 157. 1898; Greemm., Proc. Amer. Acad. 33: 485. 1898; Pittier, Primit. Fl. Costaric. 2: 210-212. 1898; Arech., Anal. Mus. Montev. 2: 280. 1899; Dalla Torre & Harms, Gen. Siphonog. 432. 1900; Rusby, Bull. Torrey Bot. Club 27: 81. 1900; Chod., Plant. Hassler. 1: 200. 1902; Urb., Symb. Antil. 3: 364-367. 1903; Arech., Anal. Mus. Nac. Montev. 4: 62. 1903; J. D. Sm., Enum. Pl. Guat. 6: 34. 1903; Arech., Fl. Urug. 2: 108. 1903; Thiselt.-Dyer, Ind. Kew. Suppl. 2: 4. 1904; Briq., Bull. Herb. Boiss., sér. 2, 4: 1166-1169. 1904; Briq. in Chod., Plant. Hassler. 2: 502-505. 1904; Pulle, Enum. Vasc. Pl. Surin. 403.

1906; Urb., *Symb. Antil.* 5: 486—487. 1908; Spruce, *Notes Bot. Amaz.* 1: 467. 1908; Prain, *Ind. Kew. Suppl.* 3: 4. 1908; Pittier, *Contrib. U. S. Nat. Herb.* 12: 181. 1909; Hayek in *Engl., Bot. Jahrb.* 42: 171—172. 1909; Pittier in Fedde, *Repert. Sp. Nov.* 8: 533. 1909; Boldingh, *Fl. Dutch West Ind.* 171. 1909; Urb., *Symb. Antil.* 4: 536. 1911; Usteri, *Fl. Umgeb. São Paulo* 227 & 228. 1911; Gerth van Wijk, *Dict. Plantnames* 1: 30. 1911; Glaz., *Bull. Soc. Bot. France* 58, *Mém.* 3: 546—547. 1911; Goyena, *Fl. Nicarag.* 2: 566. 1911; Jacks., *Proc. Linn. Soc. Lond.* 124, *Suppl. Ind. Linn. Herb.* 29. 1912; Boldingh, *Fl. Ned. West-Ind.* 54 & 346. 1913; Prain, *Ind. Kew. Suppl.* 4: 5. 1913; J. D. Sm., *Bot. Gaz.* 57: 425—426. 1914; T. S. Brandegee, *Univ. Calif. Publ. Bot.* 4 (8): 191. 1915; Herzog, *Meded. Rijks Herb. Leid.* 29: 48. 1916; Gerth van Wijk, *Dict. Plantnames* 2: 211. 1916; H. Hallier, *Meded. Rijks Herb. Leid.* 37: 34. 1918; Urb. in Fedde, *Repert. Sp. Nov.* 16: 40. 1919; Willis, *Flow. Pl.* 19. 1919; E. D. Merr., *Philip. Journ. Sci. Bot.* 16: 449—450. 1920; Rusby, *Descr. 300 New Spec.* 107—108. 1920; Urb., *Symb. Antil.* 8: 600. 1921; Prain, *Ind. Kew. Suppl.* 5: 6. 1921; Lam & Bakh., *Bull. Jard. Bot. Buitenz.*, ser. 3, 3: 95. 1921; N. L. Britton, *Bull. Torrey Bot. Club* 50: 54. 1923; E. D. Merr., *Enum. Philip. Flow. Pl.* 2: 480 & 484. 1923; Standl., *Trees & Shrubs Mex.* 1253—1254. 1924; Britton & P. Wils., *Scient. Surv. Porto Rico* 6 (1): 147—148. 1925; Standl., *Journ. Wash. Acad. Sci.* 15: 481. 1925; Ducke, *Archiv. Jard. Bot. Rio Jan.* 4: 173—174. 1925; Hoehne, *Alb. Secç. Bot. Mus. Paul.* 130 & 144. 1925; Standl. & Calderón, *List Prelim. Pl. El Salvad.* 185. 1925; J. Hutch., *Fam. Flow. Pl.* 1: 309. 1926; Hill, *Ind. Kew. Suppl.* 6: 6 & 74. 1926; Pittier, *Plant. Usual. Venez.* 416. 1926; Rusby, *Mem. N. Y. Bot. Gard.* 7: 339—341, fig. 7. 1927; Standl., *Trop. Woods* 16: 41—42. 1928; Stapf, *Ind. Lond.* 1: 16, 167, & 478. 1929; Standl., *Field Mus. Publ. Bot.* 4: 156. 1929; Hill, *Ind. Kew. Suppl.* 7: 6. 1929; Stapf, *Ind. Lond.* 4: 217. 1930; Garcia Caffizares, *Bot. Gen. Descr.* 468. 1930; Standl., *Journ. Arnold Arb.* 11: 127. 1930; Moldenke, *Trop. Woods* 25: 12—17. 1931; L. Williams, *Trop. Woods* 25: 2. 1931; Standl., *Field Mus. Publ. Bot.* 10: 334—335, pl. 57. 1931; Moldenke, *Bull. Torrey Bot. Club* 58: 462—463. 1931; Moldenke, *Brittonia* 1: 185—194. 1932; Moldenke, *Bull. Torrey Bot. Club* 60: 392—393. 1933; Moldenke in Fedde, *Repert. Sp. Nov.* 33: 113—141. 1933; Houard, *Zoocéd. Pl. Amer. Sud* 344 & 351—352. 1933; Grey & Hubbard, *List Pl. Grow. Bot. Gard. Atkins Inst.* 7 & 244. 1933; Moldenke, *Brittonia* 1: 245—477. 1934; Junell, *Symb. Bot. Upsal.* 4: 83. 1934; Moldenke, *Phytologia* 1: 95. 1934; Moldenke in Fedde, *Repert. Sp. Nov.* 37: 209—213. 1934; Latzina, *Trab. Inst. Bot. & Farm. Buenos Aires* 54: 112. 1935; Moldenke, *Phytologia* 1: 182—208, 222—240, & 248—272. 1937; Moldenke in Fedde, *Repert. Sp. Nov.* 42: 248. 1937; Standl., *Field Mus. Publ. Bot.* 17: 206—207. 1937; F. C. Hoehne, *Resen. Hist. Comm. Vig. Ann. Secç. Bot.* 153 & 157. 1937; Lundell, *Carnegie Inst. Wash. Publ.* 478: 47 & 75. 1937; Herter, *Revist. Sudam. Bot.* 4: 185. 1937; Martyn, *Ind. Phanerog. Jerman Herb.* 461. 1937; Standl., *Field Mus. Publ. Bot.* 18: 993—994. 1938; Moldenke, *Phytologia* 1: 289—304. 1938; Chebataroff, Re-

vist. Sudam. Bot. 5: 166, 167, & 170. 1938; Pittier, Gen. Pl. Venez. Clav. Anal. 243. 1939; Moldenke, Geogr. Distrib. Avicenn. 1, 4, 6--25, 27--29, & 35. 1939; Moldenke, Alph. List Common Names 1, 4--10, 12--15, 18--21, 23, 27--31, 33, & 34. 1939; Moldenke, Lilloa 4: 286 & 315--322. 1939; Moldenke, Phytologia 1: 364--368. 1939; Herter, Beih. Bot. Centralbl. 59: 275. 1939; Pittier, Supl. Pl. Usual. Venez. 54. 1939; Bot. Jahresber. 59 (2): 416. 1939; Moldenke, Phytologia Offers Prompt Publ. Serv. 2. 1940; Yuncker, Field Mus. Publ. Bot. 9 (4): 329. 1940; Moldenke, Revist. Sudam. Bot. 6: 176. 1940; Moldenke, Prelim. Alph. List Invalid Names 1--5, 8, 10, 11, 15, 18, 19, 21--25, 29, 32, 33, 39, & 42. 1940; Moldenke in Pulle, Fl. Surin. 4 (2): 260 & 296--304. 1940; Moldenke in Lundell, Carnegie Inst. Wash. Publ. 522: 149 & 200--203. 1940; Moldenke, Suppl. List Invalid Names 1, 3, & 11. 1941; Moldenke, Phytologia 2: 57--64. 1941; Moldenke, Alph. List Invalid Names 1--4, 7--9, 13, 16, 19, 21--24, 27, 33, 34, 39, 43, & 53. 1942; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 15, 19--36, 39--42, 46, 70, 84, & 85. 1942; Sampaio & Peckolt, Arquiv. Mus. Nac. Rio 37: 334. 1943; Moldenke, Phytologia 2: 90. 1944; Moldenke, Alph. List Cit. 1: 2, 3, 5--7, 9--12, 15, 16, 21, 24, 25, 27--30, 32--34, 36, 37, 39, 40, 42--45, 48, 50, 51, 54, 56--65, 67, 68, 70, 74, 76--82, 88--90, 92--94, 96, 98--100, 102, 104, 106, 107, 109, 112--114, 116, 117, 121--123, 127, 130--137, 139, 141, 142, 145, 155--157, 160--164, 167--173, 177--181, 184--186, 188--190, 192, 193, 195, 197, 198, 200--202, 204, 205, 207, 208, 210--212, 215, 217, 218, 222--224, 226, 227, 230--232, 236--244, 246, 248--250, 252--255, 258, 259, 261--276, 281, 282, 284--287, 289, 290, 298, 300--306, 308--313, & 315--325. 1946; Moldenke, Alph. List Invalid Names Suppl. 1: 1. 1947; Moldenke, Phytologia 2: 387--400. 1947; H. N. & A. L. Moldenke, Pl. Life 2: 18, 20--24, 28, 32, 43, 44, 46, 49, 50, 52, 54, 56--58, 61--70, 73, 74, 79, 82--85, & 87. 1948; Moldenke, Phytologia 2: 437--450 (1948) and 3: 46--48. 1948; Moldenke, Alph. List Cit. 2: 327--337, 339--354, 359, 361--365, 367--370, 377, 389, 390, 392, 402, 403, 409--414, 416, 432--437, 439, 442, 444--446, 458, 459, 464, 469, 479, 482, 485--487, 489--491, 500--504, 521, 528--531, 533--536, 543, 545, 548--554, 557, 558, 560, 561, 564--569, 571--574, 576--582, 587, 588, 593, 598, 599, 601, 603, 604, 607, 609--612, 615, 616, 618--625, 628, 630--632, 636, 638, 640, 642, 643, 647, & 649--651 (1948), 3: 654, 655, 658, 659, 662--665, 667--671, 674--676, 684, 686, 687, 690, 692, 694--696, 701, 702, 704--707, 709--717, 720, 724--726, 728, 730, 731, 736, 737, 739, 740, 745, 747--751, 755--759, 761, 768, 770--772, 774, 779, 780, 782--784, 786, 800--803, 805, 806, 808--810, 813--827, 833--835, 837--840, 842, 844, 845, 846, 847, 853--858, 863, 865--867, 869--871, 877, 879--881, 884--895, 900--903, 905--907, 911, 915, 916, 918--929, 934--940, 944--951, 955--963, 965, 967--969, 971, 973--976, & 978 (1949), and 4: 981--986, 988, 994, 995, 999--1001, 1005--1009, 1013--1020, 1022--1055, 1058--1082, 1086, 1087, 1093, 1094, 1096--1098, 1100, 1103, 1105, 1106, 1109, 1111, 1113, 1114, 1117, 1120, 1123--1125, 1127, 1129--1139, 1141--1143, 1145--1147, 1151--1153, 1162, 1166, 1170, 1175, 1186, 1191--1193, 1198, 1209, 1214,

1215, 1221, 1222, 1227, 1230, 1232, 1236, 1243, 1247, 1248, 1251, 1254, 1283, 1290, 1293, 1294, 1296, 1301, & 1304. 1949; Kuhlmann & Kuhn, Fl. Dist. Ibiti 116. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 9, 28, 34, 36-42, 46, 47, 49-56, 58, 59, 62, 65, 67-71, 74, 75, 95, 96, 98, 99, 102, 156, 174, & 175. 1949; H. N. & A. L. Moldenke, Anal. Inst. Biol. Mex. 20: 2. 1949; Stelfeld, Trib. Farmac. 19 (10): 163-164. 1951; Miranda, Veget. Chiapas 260 & 328-329. 1953; Moldenke, Phytologia 4: 347-354, 384-385, & 427-428. 1953; Roig, Dicc. Bot. 2: 575-576 & 976. 1953; Biol. Abstr. 25: 4058 (1954) and 28: 3057 & 3532. 1954; Rambo, Sellowia 6: 59, 84, & 153. 1954; Moldenke, Mem. N. Y. Bot. Gard. 9: 175-176. 1955; Moldenke, Phytologia 5: 225. 1955; Mendes Magalhães, Bol. Soc. Portueg. Cienc. Nat., ser. 2, 5: 111. 1955; Goodspeed & Stork, Univ. Calif. Publ. Bot. 28 (3): 117 & 131. 1955; Biol. Abstr. 27: 3764. 1955; Moldenke in Cheesman, Fl. Trin. & Tob. 2 (6): 384 & 405-411. 1955; Moldenke, Fam. 2 Verbenac. 24-30. 1955; Hansford, Sydowia 9: 23. 1955; Cash, Biol. Abstr. 30: 3240. 1956; Revist. Sudam. Bot. 10: 258. 1956; Mendes Magalhaes, Anais V Reun. Anual Soc. Bot. Bras. 256-257. 1956; Moldenke in Steyermark, Fieldiana 28: 512-513 & 1082. 1957; Alain in León & Alain, Fl. Cuba 4: 280 & 309-310, fig. 132. 1957; Steyermark, Fieldiana 28: 1178. 1957; Moldenke, Am. Midl. Nat. 59: 333. 1958; Biol. Abstr. 30: 3728 & 4394. 1958; Moldenke, Résumé 12, 33, 34, 40, 41, 43-47, 49, 50, 54, 56, 58-62, 64, 65, 69, 70, 74, 76-79, 81, 82, 85, 86, 112, 113, 115, 118, 122, 212, 227-232, 234, 239, 240, 242, 243, 254, 260, 261, 266, 272, 276, 278, 284, 302, 319, 321, 322, 329, 330, 341, 350, 383, 395-399, 408, 414, 415, 420, 422, 423, & 440-442. 1959; Moldenke, Résumé Suppl. 1: 4, 5, 15, & 24. 1959; Angely, Ind. Angely 9-10. 1959; Reitz, Sellowia 11: 66 & 84. 1959; Veloso & Klein, Sellowia 11 (10): 28, 50, 94, 95, & 105. 1959; Angely, Fl. Paran. 15: 12 & 24. 1960.

Hansford, in the reference cited above, describes a new fungus, Meliola pseudocapensis Hansf., from an undetermined species of Aegiphila based on an Ule collection from Brazil.

An additional excluded species is: Aegiphila bracteata Steud. ex Moldenke, Alph. List Cit. 2: 445, sphalm. 1948 = Petrea bracteata Steud.

AEGIPHILA ACULEIFERA Moldenke

Additional literature: Moldenke, Alph. List Common Names 29. 1939; Moldenke, Geogr. Distrib. Avicenn. 16 & 18. 1939; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 22, 30, & 84. 1942; Moldenke, Alph. List Cit. 1: 58 & 321 (1946), 2: 328, 339, 343, 344, 346, & 642 (1948), 3: 819, 940, 945, 950, 965, 978 (1949), and 4: 1078. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 38, 58, & 174. 1949; Moldenke, Phytologia 4: 385 & 428. 1953; Moldenke, Résumé 46, 64, & 440. 1959.

Little reports this species as growing in the dwarf forest in Huila. Skutch describes it as a small tree with white flowers, at altitudes of 1500 to 1750 meters.

Additional citations: COSTA RICA: Alajuela: Brenes 5709 [301]

(N), 5709a (N); Skutch 3255 (W-1643369). COLOMBIA: Huila: E. L. Little Jr. 7711 (N, W-2140351).

AEGIPHILA ALBA Moldenke

Additional literature: Moldenke, Alph. List Common Names 19 & 31. 1939; Moldenke, Geogr. Distrib. Avicenn. 22. 1939; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 33 & 84. 1942; Moldenke, Alph. List Cit. 1: 181. 1946; Holdridge & al., Forests West & Cent. Ecuad. 46. 1947; Moldenke, Alph. List Cit. 2: 352 (1948), 3: 667, 731, & 974 (1949), and 4: 1016, 1070, & 1079. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 69 & 174. 1949; H. N. & A. L. Moldenke, Anal. Inst. Biol. Mex. 20: 2. 1949; Moldenke, Phytologia 4: 385. 1953; Moldenke, Mem. N. Y. Bot. Gard. 9: 175. 1955; Moldenke, Résumé 78 & 440. 1959.

White states that the flowers are fragrant. He found the species in cutover areas, while Asplund found it in a pasture.

Additional citations: ECUADOR: Esmeraldas: Asplund 16369 (S). Los Ríos: S. S. White 5718 (T1).

AEGIPHILA AMAZONICA Moldenke

Literature: Moldenke, Geogr. Distrib. Avicenn. 24. 1939; Moldenke, Phytologia 1: 378-380. 1940; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 35 & 84. 1942; Moldenke, Alph. List Cit. 1: 167, 168, & 274. 1946; Moldenke, Phytologia 2: 389. 1947; Moldenke, Alph. List Cit. 2: 444, 445, & 624 (1948) and 4: 1079. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 74 & 174. 1949; Moldenke, Phytologia 4: 347-348. 1953; Moldenke, Résumé 81, 85, & 440. 1959; Angely, Ind. Angely 9. 1959.

Luis reports that the stems of this species are quadrangular and the flowers aromatic. He found it growing in sandy "terra firma". It has been collected in anthesis in August. The Williams collection cited below was previously misidentified as A. integrifolia (Jacq.) Jacks.

Additional citations: PERU: Loreto: Ll. Williams 2052 (N).

BRAZIL: Amazonas: Luis s.n. [Herb. Inst. Nac. Pesq. Amaz. 1556] (Z).

AEGIPHILA ANOMALA Pittier

Literature: Pittier, Contrib. U. S. Nat. Herb. 12: 181, fig. 19. 1909; Moldenke, Brittonia 1: 288-289. 1934; Moldenke, Phytologia 1: 186-187 & 222. 1937; Standl., Field Mus. Publ. Bot. 18: 994. 1938; Moldenke, Alph. List Common Names 29. 1939; Moldenke, Geogr. Distrib. Avicenn. 16. 1939; Moldenke, Phytologia 1: 380. (1940) and 2: 58-59. 1941; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 22 & 84. 1942; Moldenke, Phytologia 2: 90. 1944; Moldenke, Alph. List Cit. 1: 58, 321, & 325. 1946; Moldenke, Phytologia 2: 389. 1947; Moldenke, Alph. List Cit. 2: 340, 344-346, & 390 (1948), 3: 821, 944, 945, & 978 (1949), and 4: 1031 & 1186. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 38 & 174. 1949; Moldenke, Résumé 46 & 440. 1959.

Illustrations: Pittier, Contrib. U. S. Nat. Herb. 12: 181, fig. 19. 1909.

AEGIPHILA AUREA Turcz.

Literature: Turcz., Bull. Soc. Imp. Nat. Mosc. 36 (2): 218. 1863; Jacks., Ind. Kew. 1: 46. 1893; Moldenke, Brittonia 1: 468--469. 1934; Moldenke, Geogr. Distrib. Avicenn. 4. 1939; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 24 & 84 (1942) and [ed. 2], 42 & 174. 1949; Moldenke, Alph. List Cit. 3: 663. 1949; Alain in León & Alain, Fl. Cuba 4: 310. 1957; Moldenke, Résumé 50 & 440. 1959; Moldenke, Résumé Suppl. 1: 4 & 15. 1959.

Examination of a phototype shows that this plant is Clerodendrum grandiflorum (Hook.) Schau. and should, therefore, be excluded from the genus Aegiphila.

AEGIPHILA AUSTRALIS Moldenke

Literature: Moldenke, Phytologia 1: 187--188 & 222 (1937) and 1: 290. 1938; Moldenke, Geogr. Distrib. Avicenn. 24. 1939; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 35 & 84 (1942) and [ed. 2], 74 & 174. 1949; Moldenke, Alph. List Cit. 3: 783 (1949) and 4: 1014. 1949; Moldenke, Phytologia 4: 348. 1953; Angely, Ind. Ang. 9. 1959; Moldenke, Résumé 85 & 440. 1959.

AEGIPHILA BARBADENSIS Moldenke

Literature: Moldenke in Fedde, Repert. Sp. Nov. 33: 113. 1933; Moldenke, Brittonia 1: 376--377. 1934; Moldenke, Phytologia 1: 188. 1937; Moldenke, Geogr. Distrib. Avicenn. 11. 1939; Moldenke, Phytologia 1: 380 (1940) and 2: 59. 1941; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 29 & 84. 1942; Moldenke, Alph. List Cit. 1: 326 (1946) and 4: 1052 & 1105. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 55 & 174. 1949; Moldenke, Résumé 61 & 440. 1959.

AEGIPHILA BOGOTENSIS (Spreng.) Moldenke

Literature: H.B.K., Nov. Gen. & Sp. Pl. 3: 65--66, fig. 108. 1818; Spreng. in L., Syst. Veg., ed. 16, 1: 648. 1825; DC., Prodr. 9: 512. 1845; Bocq., Adansonia 3: 187--188. 1862; Jacks., Ind. Kew. 1: 106 (1893) and 2: 823. 1895; Moldenke, Brittonia 1: 283--284. 1934; Moldenke, Phytologia 1: 188 (1937) and 1: 290. 1938; Moldenke, Geogr. Distrib. Avicenn. 18 & 22. 1939; Moldenke, Prelim. Alph. List Invalid Names 1, 5, & 25. 1940; Moldenke, Phytologia 1: 380 (1940) and 2: 59. 1941; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 30, 33, & 84. 1942; Moldenke, Alph. List Invalid Names 1, 4, & 24. 1942; Moldenke, Alph. List Cit. 1: 133, 135, 142, 145, 222, 243, 275, & 326. 1946; Moldenke, Phytologia 2: 389--390. 1947; H. N. & A. L. Moldenke, Pl. Life 2: 44. 1948; Moldenke, Alph. List Cit. 2: 347, 603, 609, 611, & 642 (1948), 3: 664, 731, 758, 759, 806, 833, 857, 901, 903, & 974 (1949), and 4: 999, 1005, 1006, 1069, 1077--1079, 1215, & 1222. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 58, 62, 69, & 174. 1949; H. N. & A. L. Moldenke, Anal. Inst. Biol. Mex. 20: 2. 1949; Moldenke, Phytologia 4: 348. 1953; Moldenke, Résumé 64, 69, 78, 228, 234, 284, & 440. 1959.

Illustrations: H.B.K., Nov. Gen. & Sp. Pl. 3: fig. 108. 1818. Asplund describes this species as a tree 30 m. tall, with

pale yellowish-green flowers, growing in cleared forests.

Additional citations: COLOMBIA: Norte de Santander: Killip & Smith 19706 (Ew). VENEZUELA: Táchira: Aristeguieta 2568 (N). ECUADOR: Napo-Pastaza: Asplund 17204 (S).

AEGIPHILA BOGOTENSIS var. **AEQUINOCTIALIS** Moldenke

Literature: Moldenke, *Phytologia* 4: 173 & 348. 1953; Moldenke, *Mem. N. Y. Bot. Gard.* 9: 175. 1955; Moldenke, *Résumé* 78 & 440. 1959.

AEGIPHILA BOLIVIANA Moldenke

Literature: O. Thomas, *Proc. Zool. Soc.* 1893: 242. 1893; Bather, *Nat. Sci.* 4: 57. 1894; Swingle, *Science*, ser. 2, 37: 866—867. 1913; Moldenke in Fedde, *Repert. Sp. Nov.* 33: 114. 1933; Moldenke, *Brittonia* 1: 391 & 399—400. 1934; Moldenke, *Phytologia* 1: 188—189 & 208. 1937; Moldenke, *Geogr. Distrib. Avicenn.* 27. 1939; Moldenke, *Phytologia* 1: 380—381 (1940) and 2: 59. 1941; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 1], 39 & 84. 1942; Moldenke, *Alph. List Cit.* 1: 273, 319, & 326 (1946), 2: 444 & 501 (1948), and 3: 967 & 968. 1949; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 2], 95 & 174. 1949; Moldenke, *Phytologia* 4: 348—349. 1953; Moldenke, *Résumé* 112, 228, & 440. 1959.

AEGIPHILA BRACHIATA Vell.

Additional literature: Moldenke, *Geogr. Distrib. Avicenn.* 24 & 28. 1939; Moldenke, *Prelim. Alph. List Invalid Names* 1, 2, & 4. 1940; Moldenke, *Alph. List Invalid Names* 1—3. 1942; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 1], 35, 40, & 84. 1942; Sampaio & Peckolt, *Arquiv. Mus. Nac. Rio Jan.* 37: 334. 1943; Moldenke, *Alph. List Cit.* 1: 137, 227, & 238. 1946; Lombardo, *Fl. Arb. Arbores. Urug.* 185 & 201. 1947; Moldenke, *Alph. List Invalid Names Suppl.* 1: 1. 1947; Moldenke, *Alph. List Cit.* 2: 328, 333, 336, 368, 552, & 599 (1948), 3: 755, 756, 840, 915, & 920—923 (1949), and 4: 1032, 1058, 1066, 1087, & 1293. 1949; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 2], 74, 98, & 174. 1949; Moldenke, *Phytologia* 4: 385. 1953; Rambo, *Sellowia* 6: 59 & 84. 1954; Moldenke, *Résumé* 85, 115, 228, 229, 231, & 440. 1959; Angely, *Ind. Ang.* 10. 1959; Angely, *Fl. Paran.* 16: 36. 1960.

The species ascends to 900 meters altitude.

Additional citations: BRAZIL: Rio de Janeiro: Glaziou 14165 (B). Santa Catarina: Reitz & Klein 5185 (N, Z).

AEGIPHILA BRACTEOLOSA Moldenke

Literature: Rusby, *Mem. N. Y. Bot. Gard.* 7: 341. 1927; Moldenke, *Brittonia* 1: 456—458. 1934; Moldenke, *Phytologia* 1: 189—190 (1937) and 1: 290. 1938; Moldenke, *Geogr. Distrib. Avicenn.* 20 & 24. 1939; Moldenke, *Prelim. Alph. List Invalid Names* 1 & 4. 1940; Moldenke, *Phytologia* 1: 381 (1940) and 2: 59. 1941; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 1], 32, 34, 35, & 84. 1942; Moldenke, *Alph. List Invalid Names* 1 & 3. 1942; Moldenke, *Alph. List Cit.* 1: 167, 168, & 319 (1946) and 2: 331, 337, 343, 432, 557, 587, 622, & 631. 1948; Moldenke, *Phytologia* 2: 435,

fig. 1. 1948; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 2], 65, 71, 74, & 174. 1949; Moldenke, *Alph. List Cit.* 3: 675, 711, 823, 915, 955, & 956 (1949) and 4: 988, 1014, 1067, & 1072. 1949; Moldenke, *Phytologia* 4: 349. 1953; Moldenke, *Résumé* 64, 74, 81, 85, 228, 231, & 440. 1959.

Illustrations: Moldenke, *Phytologia* 2: 435, fig. 1. 1948.

This species has been collected in anthesis also in May. Maguire & Fanshawe describe it as a secondary growth shrub 3 meters tall, with a green calyx, blooming in October, infrequent at 500 meters altitude.

Additional citations: BRITISH GUIANA: Maguire & Fanshawe 32320 (N). COLOMBIA: Vaupés: Schultes & Cabrera 19252 (W-2113116). BRAZIL: Amazonas: Fosberg 29298 (Be-59481); Fróes 28238 (Z); J. S. Rodrigues 106 (Bm). Guaporé: J. F. Silva 54 (Be-77725).

AEGIPHILA BRASILIENSIS Moldenke

Literature: Moldenke in Fedde, *Repert. Sp. Nov.* 33: 115. 1933; Moldenke, *Brittonia* 1: 265, 306, & 477. 1934; Moldenke, *Phytologia* 1: 190. 1937; Moldenke, *Geogr. Distrib. Avicenn.* 24. 1939; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 1], 35 & 84 (1942) and [ed. 2], 74 & 174. 1949; Moldenke, *Alph. List Cit.* 4: 1017 & 1020. 1949; Moldenke, *Résumé* 85 & 440. 1959; Angely, *Ind. Ang.* 9. 1959.

AEGIPHILA BREVIFLORA (Rusby) Moldenke

Additional and corrected literature: H. H. Rusby, *Mem. N. Y. Bot. Gard.* 7: 340 & 341. 1927; Moldenke, *Geogr. Distrib. Avicenn.* 27. 1939; Moldenke, *Prelim. Alph. List Invalid Names* 39. 1940; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 1], 39 & 84. 1942; Moldenke, *Alph. List Invalid Names* 39. 1942; Moldenke, *Alph. List Cit.* 1: 92 (1946) and 4: 1052. 1949; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 2], 96 & 174. 1949; Moldenke, *Phytologia* 4: 428 & 431. 1953; Moldenke, *Résumé* 112, 341, & 440. 1959.

Illustrations: H. H. Rusby, *Mem. N. Y. Bot. Gard.* 7: 340. 1927.

AEGIPHILA BUCHTIEMII Moldenke

Literature: Moldenke in Fedde, *Repert. Sp. Nov.* 33: 116. 1933; Moldenke, *Brittonia* 1: 278, 430-432, & 472. 1934; Moldenke, *Phytologia* 1: 192. 1937; Moldenke, *Geogr. Distrib. Avicenn.* 27, 1939; Moldenke, *Phytologia* 2: 59. 1941; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 1], 39 & 84. 1942; Moldenke, *Alph. List Cit.* 1: 76 (1946) and 4: 1060 & 1061. 1949; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 2], 96 & 184. 1949; Moldenke, *Phytologia* 4: 349. 1953; Moldenke, *Résumé* 112 & 440. 1959.

AEGIPHILA CANDELABRUM Briq.

Additional literature: Moldenke, *Geogr. Distrib. Avicenn.* 24 & 28. 1939; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 1], 35, 40, & 84. 1942; Moldenke, *Alph. List Cit.* 1: 121, 201, 263, & 264 (1946), 2: 332, 337, & 553 (1948), and 3: 692. 1949; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 2], 74, 98, & 174. 1949; Moldenke, *Phytologia* 4: 385 & 431. 1953; Moldenke, *Résumé* 85, 115,

& 440. 1959.

Hassler describes the corolla of this species as yellowish-white and the plant as a shrub 1—3 meters tall. He misidentified it as A. cuspidata Mart.

Additional citations: PARAGUAY: Hassler 7974 (Ca—944316, N), 7974a (Ca—944315, N).

AEGIPHILA CAPITATA Moldenke

Literature: Moldenke in Fedde, Repert. Sp. Nov. 33: 116. 1933; Moldenke, Brittonia 1: 254, 266, 335--336, & 472. 1934; Moldenke, Phytologia 1: 193. 1937; Moldenke, Geogr. Distrib. Avicenn. 24. 1939; Moldenke, Phytologia 1: 381. 1940; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 35 & 84. 1942; Moldenke, Alph. List Cit. 1: 78. 1946; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 74 & 174. 1949; Moldenke, Phytologia 4: 349. 1953; Moldenke, Résumé 85 & 440. 1959; Angely, Ind. Ang. 9. 1959.

AEGIPHILA CASSELIAEFORMIS Schau.

Literature: Schau. in A. DC., Prodr. 11: 651. 1847; Schau. in Mart., Fl. Bras. 9: 285. 1851; Jacks., Ind. Kew. 1: 46. 1893; Moldenke, Brittonia 1: 265, 303--304, & 472. 1934; Moldenke, Phytologia 1: 193. 1937; Moldenke, Geogr. Distrib. Avicenn. 24. 1939; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 35 & 84. 1942; Moldenke, Alph. List Cit. 1: 78 (1946) and 3: 838. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 74 & 174. 1949; Moldenke, Phytologia 4: 350. 1953; Moldenke, Résumé 85 & 440. 1959; Angely, Ind. Ang. 9. 1959.

AEGIPHILA CAUCENSIS Moldenke

Literature: Moldenke in Fedde, Repert. Sp. Nov. 33: 117. 1933; Moldenke, Brittonia 1: 273, 411, & 475. 1934; Moldenke, Phytologia 1: 193. 1937; Moldenke, Geogr. Distrib. Avicenn. 18. 1939; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 30 & 84. 1942; Moldenke, Alph. List Cit. 1: 273 (1946), 3: 808 (1949), and 4: 1047. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 58 & 174. 1949; Moldenke, Résumé 64 & 440. 1959.

AEGIPHILA CAYMANENSIS Moldenke

Literature: Moldenke in Fedde, Repert. Sp. Nov. 33: 118. 1933; Moldenke, Brittonia 1: 264, 353--354, & 474. 1934; Moldenke, Phytologia 1: 193. 1937; Moldenke, Geogr. Distrib. Avicenn. 6. 1939; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 25 & 84. 1942; Moldenke, Alph. List Cit. 1: 309 (1946) and 2: 548. 1948; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 46 & 174. 1949; Moldenke, Résumé 54 & 440. 1959.

AEGIPHILA CEPHALOPHORA Standl.

Literature: Standl., Field Mus. Publ. Bot. 4: 156. 1929; Journ. Arnold Arb. 11: 127. 1930; J. A. Clark, Card Ind. Gray Herb. 1930; Moldenke, Brittonia 1: 270, 414--415, 472, & 474. 1934; Moldenke, Phytologia 1: 193--194. 1937; Moldenke, Geogr. Distrib. Avicenn. 17. 1939; Moldenke, Phytologia 2: 60. 1941; Moldenke, Known Geogr.

Distrib. Verbenac., [ed. 1], 23 & 84. 1942; Moldenke, Alph. List Cit. 1: 15, 29, 320, 323, & 325 (1946), 2: 607 (1948), and 4: 1055. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 40 & 174. 1949; Moldenke, Résumé 47 & 440. 1959.

Johnston describes this species as a vine climbing high on forest margins, fruiting in November, with orange fruits 15 mm. in diameter on pendent fruiting-stems.

Additional citations: PANAMA: Canal Zone: I. M. Johnston 1661 (Mi).

AEGIPHILA CHRYSANTHA Hayek

Additional literature: Moldenke, Brittonia 1: 278 & 423. 1934; Moldenke, Alph. List Common Names 12. 1939; Moldenke, Geogr. Distrib. Avicenn. 24 & 27. 1939; Moldenke, Prelim. Alph. List Invalid Names 2. 1940; Moldenke, Suppl. List Invalid Names 1. 1941; Moldenke, Alph. List Invalid Names 1 & 2. 1942; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 33--35, 39, & 84. 1942; Moldenke, Alph. List Cit. 1: 136, 180, 303, & 326 (1946), 2: 327, 330, 331, 340, 347, 436, 616, & 628 (1948), 3: 692, 695, 823, 900, & 901 (1949), and 4: 988, 1036, & 1058. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 69, 71, 74, 96, & 174. 1949; Moldenke, Phytologia 4: 385--386. 1953; Moldenke, Mem. N. Y. Bot. Gard. 9: 175. 1955; Moldenke, Résumé 78, 81, 85, 112, 228, 230, & 440. 1959.

This species is said by Fróes to inhabit the "caatinga" region, while Asplund found it in "rastrojo", with light-yellow flowers in February.

Additional citations: ECUADOR: Los Ríos: Asplund 15539 (S). Manabi: Eggers 14348, in part (B). Province undetermined: Fagerlind & Wibom 2610a (S). BRAZIL: Amazonas: Fróes 28853 (Z).

AEGIPHILA CHRYSANTHA var. GLABRA Moldenke

Literature: Moldenke, Phytologia 2: 60--61. 1941; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 34 & 84. 1942; Moldenke, Alph. List Cit. 2: 336 & 616. 1948; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 71 & 174. 1949; Moldenke, Résumé 81 & 440. 1959.

AEGIPHILA CONTURBATA Moldenke

Additional literature: Moldenke, Geogr. Distrib. Avicenn. 24. 1939; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 35 & 84 (1942) and [ed. 2], 74 & 174. 1949; Moldenke, Alph. List Cit. 3: 694 & 770. 1949; Moldenke, Phytologia 4: 431--432. 1953; Moldenke, Résumé 85 & 440. 1959; Angely, Ind. Ang. 9. 1959.

The species is said by Fróes to inhabit roadsides.

Additional citations: BRAZIL: Maranhão: Fróes 25641 (Be--51887).

AEGIPHILA CORDATA Poepp.

Literature: Walp., Repert. 4: 118. 1845; Schau. in A. DC., Prodr. 11: 650. 1847; Bocq., Adansonia 3: 190. 1862; Jacks., Ind. Kew. 1: 46. 1893; Bull. Torrey Bot. Club 60: 393. 1933; Moldenke,

Brittonia 1: 277, 443--445, & 475. 1934; Moldenke, *Phytologia* 1: 195. 1937; Moldenke, *Geogr. Distrib. Avicenn.* 23 & 24. 1939; Moldenke, *Phytologia* 1: 381 (1940) and 2: 61. 1941; Moldenke, *Suppl. List Invalid Names* 1. 1941; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 1], 34, 35, & 84. 1942; Moldenke, *Alph. List Invalid Names* 1. 1942; Moldenke, *Alph. List Cit.* 1: 326. 1946; Moldenke, *Phytologia* 2: 390--391 (1947) and 2: 434. 1948; Moldenke, *Alph. List Cit.* 2: 340 & 347 (1948), 3: 695 & 823 (1949), and 4: 1015. 1949; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 2], 58, 71, 74, & 174. 1949; Moldenke, *Résumé* 81, 85, 228, & 440. 1959.

AEGIPHILA CORDATA var. COLOMBIANA Moldenke

Literature: Moldenke, *Geogr. Distrib. Avicenn.* 18. 1939; Moldenke, *Phytologia* 1: 381--382 (1940) and 2: 61. 1941; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 1], 30 & 85. 1942; Moldenke, *Alph. List Cit.* 1: 134 & 265. 1946; Moldenke, *Phytologia* 2: 391. 1947; Moldenke, *Alph. List Cit.* 2: 351. 1948; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 2], 58 & 174. 1949; Moldenke, *Résumé* 64 & 440. 1959.

AEGIPHILA CORDIFOLIA (Ruiz & Pav.) Moldenke

Literature: Ruiz & Pav., *Fl. Peruv. & Chil.* 1: 50, pl. 77a. 1798; Poir. in Lam., *Encycl. Méth. Bot. Suppl.* 2: 33. 1811; Roem. & Schult. in L., *Syst. Veg.* 3: 95. 1818; Cham., *Linnaea* 7: 110. 1832; Dietr., *Syn. Pl.* 1: 429. 1839; Schau. in A. DC., *Prodr.* 11: 654. 1847; Schau. in Mart., *Fl. Bras.* 9: 288. 1851; Pritzl, *Icon. Bot. Ind.* 1: 188. 1866; Jacks., *Ind. Kew.* 1: 386. 1893; Stapf, *Ind. Lond.* 1: 525. 1929; Moldenke, *Brittonia* 1: 185. 1932; J. A. Clark, *Card Ind. Gray Herb.* 1933; Moldenke, *Brittonia* 1: 278, 445--446, & 475. 1934; Moldenke, *Phytologia* 1: 195 & 223. 1937; Moldenke, *Geogr. Distrib. Avicenn.* 23. 1939; Moldenke, *Prelim. Alph. List Invalid Names* 10. 1940; Moldenke, *Phytologia* 1: 382 (1940) and 2: 61. 1941; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 1], 34 & 85. 1942; Moldenke, *Alph. List Invalid Names* 8. 1942; Moldenke, *Alph. List Cit.* 1: 317 (1946) and 2: 335 & 338. 1948; Moldenke, *Phytologia* 2: 434. 1948; Moldenke, *Alph. List Cit.* 3: 686, 694, 713, 880, & 881. 1949; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 2], 71 & 174. 1949; Moldenke, *Phytologia* 4: 350. 1953; Moldenke, *Résumé* 81, 242, & 440. 1959.

Illustrations: Ruiz & Pav., *Fl. Peruv. & Chil.* 1: pl. 77a. 1798.

AEGIPHILA CORIACEA Moldenke

Literature: Moldenke in Fedde, *Repert. Sp. Nov.* 33: 118. 1933; Moldenke, *Brittonia* 1: 265, 318--319, & 473. 1934; Moldenke, *Phytologia* 1: 195--196. 1937; Moldenke, *Geogr. Distrib. Avicenn.* 24. 1939; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 1], 35 & 85. 1942; Moldenke, *Alph. List Cit.* 1: 212. 1946; Moldenke, *Known Geogr. Distrib. Verbenac.*, [ed. 2], 74 & 174. 1949; Moldenke, *Résumé* 85 & 440. 1959; Angely, *Ind. Ang.* 9. 1959.

AEGIPHILA COSTARICENSIS Moldenke

Additional synonymy: *Aegiphila costarivensis* Moldenke, Alph. List Cit. 1: 287, sphalm. 1946.

Literature: Moldenke in Fedde, Repert. Sp. Nov. 33: 119. 1933; Moldenke, Brittonia 1: 255, 263, 294—295, 475, & 476. 1934; Standl., Field Mus. Publ. Bot. 17: 206—207. 1937; Moldenke, Phytologia 1: 196 (1937) and 1: 290—291. 1938; Standl., Field Mus. Publ. Bot. 18: 994—995. 1938; Moldenke, Geogr. Distrib. Avicenn. 12, 14, & 16. 1939; Moldenke, Prelim. Alph. List Invalid Names 21. 1940; Moldenke, Phytologia 1: 382 (1940) and 2: 61. 1941; Moldenke, Alph. List Invalid Names 19. 1942; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 15, 19, 22, & 84. 1942; Moldenke, Alph. List Cit. 1: 287 & 326. 1946; Moldenke, Phytologia 2: 391 (1947) and 2: 434. 1948; Moldenke, Alph. List Cit. 2: 327, 342, 345, 346, 348, 389, 390, & 437 (1948), 3: 714, 821, 940, 945, & 962 (1949), and 4: 1000, 1040, 1045, 1052, 1053, 1058, & 1072. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 28, 34, 38, & 174. 1949; Matuda, Am. Midl. Nat. 44: 575. 1950; Moldenke, Phytologia 4: 350. 1953; Moldenke, Résumé 33, 41, 46, 266, & 440. 1959.

Matuda collected this species at an altitude of 10 meters, blooming in January.

Additional citations: MEXICO: Chiapas: Matuda 6152 (M1), 17375 (N). COSTA RICA: Cartago: Tonduz 8564 (M1).

AEGIPHILA CRENATA Moldenke

Additional literature: Moldenke, Geogr. Distrib. Avicenn. 24. 1939; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 1], 35 & 85. 1942; Moldenke, Alph. List Cit. 1: 171 & 172 (1946), 2: 329, 344, 489, & 598 (1948), and 3: 694, 751, 844, 900, & 921. 1949; Moldenke, Known Geogr. Distrib. Verbenac., [ed. 2], 74 & 174. 1949; Moldenke, Phytologia 4: 386. 1953; Angely, Fl. Paran. 12: 17. 1958; Moldenke, Résumé 85 & 440. 1959; Angely, Ind. Ang. 9. 1959; Angely, Fl. Paran. 16: 36. 1960.

AEGIPHILA CUATRECASASI Moldenke

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